

Please type a plus sign (+) inside this box

+

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

| | |
|------------------------|-------------------------|
| Application Number | 10/730,963 |
| Filing Date | December 8, 2003 |
| First Named Inventor | Richard C. Eden, et al. |
| Group Art Unit | 2817 |
| Examiner Name | Benny T. Lee |
| Attorney Docket Number | 0844004-306 |

| Examiner Initials * | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY |
|---------------------|----------------------|--------------------------------------|---|---|
| | Number | Kind Code ² (if known) | | |
| R | US-4912086 | | Enz et al | 03/27/1990 |
| R | US-5099162 | | Sawada | 03/24/1992 |
| R | US-5126317 | | Agarwala | 06/30/1992 |
| R | US-5391543 | | Higaki et al | 02/21/1995 |
| R | US-5604375 | | Findikoglu et al | 02/18/1997 |
| R | US-5808527 | | De Los Santos | 09/15/1990 |
| R | US-6016434 | | Mizuno et al | 01/18/2000 |
| R | US-6049726 | | Gruenwald et al | 04/11/2000 |
| R | US-6347237 | B1 | Eden et al | 02/12/2002 |
| R | US-6437965 | B1 | Adkins et al | 08/20/2002 |
| R | US-6441449 | B1 | Xu et al | 08/27/2002 |

| Examiner Initials* | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | T ₆ |
|--------------------|-------------------------|---------------------|--------------------------------------|---|--|----------------|
| | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | |
| R | GB | 2220526 | B | Makimoto et al | 04/15/1992 | |
| R | JP | 63028103 | A | Murata Mfg. Co. Ltd. | 02/05/1988 | Abstract |
| R | JP | 01117648 | A | Epson Corp. | 05/10/1989 | Abstract |
| | | | | | | |
| | | | | | | |

| Examiner Initials * | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|---------------------|---|----------------|
| R | AMINOV, et al, "YBaCuO Disk Resonator Filters Operating at High Power", IEEE Transactions on Applied Superconductivity, 9, 2, June 1999. | |
| R | HAMMOND et al, "Epitaxial Tl ₂ CaBa ₂ Cu ₂ O ₈ Thin Films with Low 9.6 GHz Surface Resistance at High Power and Above 77K", Appl. Phys. Lett. 57, 8, August 20, 1990, 825-827. | |
| R | LOW, "Modeling of Three-Layer Piezoelectric Biomorph Beam With Hysteresis", Journal of Microelectromechanical Systems, 4, 4, December 1995, 230-237. | |
| R | MINE, et al, "Characteristics of Mechanically Tunable Superconductive Resonators", Supercond. Sci. Technol. 15, 2002, 635-638. | |
| R | MOECKLEY, et al, "Strontium Titanate Thin Films for Tunable Yba ₂ Cu ₃ 7 Microwave Filters", IEEE Transactions on Applied Superconductivity, 11, 1, March 2001, 450-453. | |
| R | OATES, et al, "Magnetically Tunable Superconducting Resonators and Filters", IEEE Transactions on Applied Superconductivity, 9, 2, June 1999, 4170-4175. | |
| R | SOARES, et al, "Optical Switching of HTS Band Reject Resonators", IEEE Transactions on Applied Superconductivity, 5, 2, June 1995, 2276-2278. | |
| R | TERASHIMA, et al, "2GHz Tunable Superconducting Band-Pass Filter Using a Piezoelectric Bender", Physica C, 366, 2002, 183-189. | |

IRI:1057061.1

Did not receive any NPL.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|---|--------------------------|-------------------------|
| Substitute for form 1449A/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Application Number | 10/730,963 |
| | | | | Filing Date | December 8, 2003 |
| | | | | First Named Inventor | Richard C. Eden, et al. |
| | | | | Group Art Unit | 2817 |
| | | | | Examiner Name | Benny T. Lee |
| Sheet | 2 | of | 2 | Attorney Docket Number | 0844004-306 |

| | | |
|------------------------|---|----------------|
| Examiner Initials * | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | XU, et al, "Active Tuning of High Frequency Resonators and Filters", IEEE Transactions on Applied Superconductivity, 11, 1, March 2001, 353-356. | |

| | | | |
|-----------------------|--|--------------------|------------|
| Examiner Signature | Benny T. Lee <i>Primary Examiner</i> | Date Considered | 5 Dec 2004 |
|-----------------------|--|--------------------|------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.